

ABSTRACT OF THE DISCLOSURE

A scintillator, characterized in that it comprises crystals of $\text{Pr}_{1-x}\text{Ce}_x\text{F}_3$ [wherein $0 < x < 0.5$]. It emits a light in ultraviolet and visible regions when it is irradiated with a light or a radiation. The scintillator uses a material which exhibits improved performance with respect to the strength in light emission and to the speed in attenuation, and further is relatively easy in the growth of its crystal.